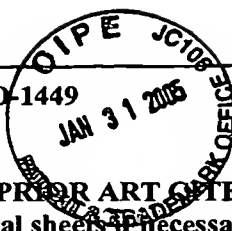


Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
7217/48794-RESerial No.  
09/998,426LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)Applicants  
Hiroshi YASUDA et al.Filing Date  
30 NOV 2001Group  
2683

## U.S. PATENT DOCUMENTS

| Examiner Initial |    |   |   |   |   |   |   |   |  | Date      | Name           | Class | Subclass | Filing Date if Appropriate |
|------------------|----|---|---|---|---|---|---|---|--|-----------|----------------|-------|----------|----------------------------|
| KF               | AA | 4 | 5 | 0 | 4 | 7 | 0 | 7 |  | 12 MAR 85 | Lucchesi       | 179   | 84       |                            |
|                  | AB | 4 | 9 | 3 | 5 | 7 | 3 | 5 |  | 19 JUN 90 | De Luca et al. | 340   | 825.44   |                            |
|                  | AC | 5 | 2 | 3 | 3 | 6 | 4 | 1 |  | 3 AUG 93  | Maeda          | 455   | 567      |                            |
| KF               | AD | 5 | 2 | 7 | 6 | 7 | 2 | 9 |  | 4 JAN 94  | Higuchi et al. | 379   | 58       |                            |

## FOREIGN PATENT DOCUMENTS

|    |    |   |   |   |   |   |   |   |   | Date      | Country            | Class | Subclass | Translation |    |
|----|----|---|---|---|---|---|---|---|---|-----------|--------------------|-------|----------|-------------|----|
|    |    |   |   |   |   |   |   |   |   |           |                    |       |          | Yes         | No |
| KF | AE | 0 | 2 | 7 | 5 | 1 | 9 | 3 |   | 20 JUL 88 | European Pat. Off. | H04M  | 1/22     | X           |    |
|    | AF | 0 | 4 | 0 | 8 | 0 | 2 | 7 |   | 16 JAN 91 | European Pat. Off. | H04Q  | 7/02     | X           |    |
|    | AG | 0 | 5 | 0 | 2 | 6 | 1 | 7 |   | 09 SEP 92 | European Pat. Off. | H04M  | 1/72     | X           |    |
|    | AH | 0 | 7 | 7 | 2 | 3 | 3 | 4 |   | 5 JUL 97  | European Pat. Off. | H04M  | 1/72     | X           |    |
| KF | AI | 0 | 7 | 9 | 9 | 5 | 3 | 4 | A | 11 APR 95 | Japan              | H04M  | 1/00     |             | X  |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

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Patent and Trademark OfficeAtty. Docket No.  
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09/998,426**LIST OF PRIOR ART CITED BY APPLICANT**  
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2683**U.S. PATENT DOCUMENTS**

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|------------------|----|---|---|---|---|---|---|---|--|-----------|--------------|-------|----------|----------------------------|
| KF               | AA | 5 | 3 | 2 | 9 | 5 | 7 | 7 |  | 12 JUL 94 | Norimatsu    | 379   | 58       |                            |
|                  | AB | 5 | 4 | 0 | 6 | 6 | 1 | 8 |  | 11 APR 95 | Knuth et al. | 379   | 67       |                            |
|                  | AC | 5 | 4 | 4 | 2 | 8 | 1 | 4 |  | 15 AUG 95 | Seo          | 455   | 89       |                            |
| KF               | AD | 5 | 4 | 9 | 1 | 7 | 4 | 5 |  | 13 FEB 96 | Roeder       | 379   | 355      |                            |

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|    |    |    |   |   |   |   |   |   |   | Date     | Country | Class | Subclass | Translation |    |
|----|----|----|---|---|---|---|---|---|---|----------|---------|-------|----------|-------------|----|
|    |    |    |   |   |   |   |   |   |   |          |         |       |          | Yes         | No |
| KF | AE | WO | 9 | 4 | 1 | 3 | 0 | 6 | 5 | 9 JUN 94 | WIPO    | H04B  | 1/16     | X           |    |
|    | AF |    |   |   |   |   |   |   |   |          |         |       |          |             |    |
|    | AG |    |   |   |   |   |   |   |   |          |         |       |          |             |    |
|    | AH |    |   |   |   |   |   |   |   |          |         |       |          |             |    |
|    | AI |    |   |   |   |   |   |   |   |          |         |       |          |             |    |

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|   | Applicants<br>Hiroshi YASUDA et al. |                          |
|   | Filing Date<br>30 NOV 2001          | Group<br>2683            |

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|------------------|----|---|---|---|---|---|---|---|--|-----------|----------------|-------|----------|----------------------------|
| KE               | AA | 5 | 4 | 9 | 3 | 2 | 8 | 5 |  | 20 FEB 96 | Yoshizawa      | 340   | 825.44   |                            |
|                  | AB | 5 | 6 | 2 | 5 | 6 | 8 | 3 |  | 29 APR 97 | Nazanin et al. | 379   | 355      |                            |
|                  | AC | 5 | 6 | 5 | 1 | 0 | 5 | 2 |  | 22 JUL 97 | Serrano        | 455   | 567      |                            |
| KE               | AD | 5 | 6 | 5 | 7 | 3 | 7 | 2 |  | 12 AUG 97 | Ahlberg et al. | 455   | 414      |                            |

**FOREIGN PATENT DOCUMENTS**

|  |    |  |  |  |  |  |  |  |  | Date | Country | Class | Subclass | Translation |    |
|--|----|--|--|--|--|--|--|--|--|------|---------|-------|----------|-------------|----|
|  |    |  |  |  |  |  |  |  |  |      |         |       |          | Yes         | No |
|  | AE |  |  |  |  |  |  |  |  |      |         |       |          |             |    |
|  | AF |  |  |  |  |  |  |  |  |      |         |       |          |             |    |
|  | AG |  |  |  |  |  |  |  |  |      |         |       |          |             |    |
|  | AH |  |  |  |  |  |  |  |  |      |         |       |          |             |    |
|  | AI |  |  |  |  |  |  |  |  |      |         |       |          |             |    |

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